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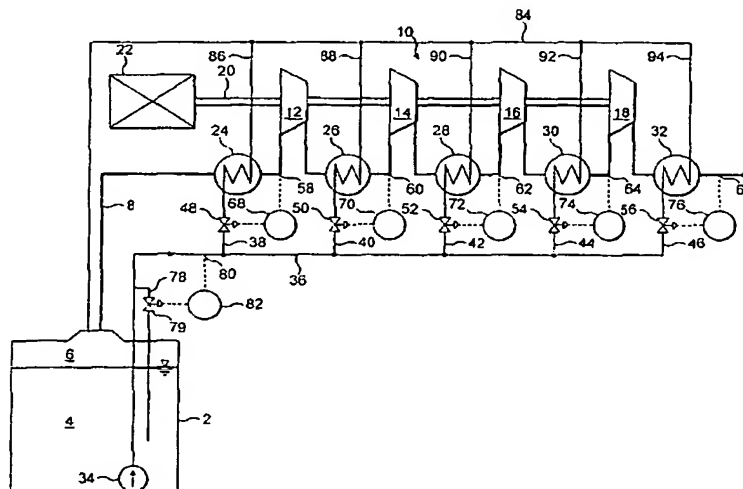
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(54) Title: COMPRESSOR



(57) Abstract: A rotary liquefied natural gas boil-off compressor 10 has a series of compression stages 12, 14, 16 and 18. A gas passage 8 passes through the series of compression stages. The gas passage 8 extends through and is in heat exchange relationship with cooling means 26, 28 and 30 in the form of indirect heat exchangers. Each of the heat exchangers 26, 28 and 30 is cooled by LNG supplied from a pipeline 36. Flow control valves 50, 52 and 54 are provided for controlling the flow of LNG to the heat exchangers 26, 28 and 30 respectively. The valves 50, 52 and 54 are controlled in response to temperature sensors 60, 62 and 64, respectively, so as to maintain the inlet temperature of each of the compression stages 14, 16 and 18 at a chosen sub-ambient temperature or between chosen sub-ambient temperature limits.

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